

6/4/2018

[Dart Hawkesbury] Job Sheet - David, Logan

**DART AEROSPACE**

Dart Aerospace Ltd.  
1270 Aberdeen St  
Hawkesbury, ON  
K6A 1K7  
Canada  
Tel (613) 632-5200

**RBW6305G00232-3G-7**  
**Job Sheet 174442**

Part No: RBW6305G00232-3G-7 Job Qty: 12 ea **13**

Part Name: Stud

Part Weight: 0 lbs Status: Scheduled Priority: High

Job Created: 3/15/18 Job Tracking No:

Due Date: 5/28/18 Created By: Marie Lajeunesse

Type: SOLD Description:

Note: DWG RBW6305G00232-3G Rev 2 IPP Rev A 18.02.21 New issue DP Verify DD

Ship Via:

**Bill of Materials**

**Job Routing**

| Op No | Operation          | Qty    | Start Date | Due Date | Standard Setup Run hrs Hrs | Workcenter/Supplier  | Sign-off |
|-------|--------------------|--------|------------|----------|----------------------------|----------------------|----------|
| 90    | Start up Operation | 12 Ea  | 5/28/18    | 5/28/18  | 0.00 0.00                  | Start Up Machining-2 |          |
| 110   | CNC Lathe          | 12 pcs | 5/28/18    | 5/28/18  | 0.00 3.00                  | MORI SL-154          |          |
| 120   | QC                 | 12 pcs | 5/28/18    | 5/28/18  | 0.00 0.00                  | QC2 Machining-4      |          |
| 130   | QC                 | 12 pcs | 5/28/18    | 5/28/18  | 0.00 0.00                  | QC8 Machining-4      |          |
| 150   | Outsource          | 12 pcs | 5/28/18    | 5/28/18  | 0.00 0.00                  | Outsource3           |          |
| 160   | Packaging          | 12 pcs | 5/28/18    | 5/28/18  | 0.00 0.00                  | Packaging2           |          |
| 170   | QC                 | 12 pcs | 5/28/18    | 5/28/18  | 0.00 0.00                  | QC6                  |          |
| 180   | Packaging          | 12 pcs | 5/28/18    | 5/28/18  | 0.00 0.00                  | Packaging3-1         |          |
| 190   | QC21-SA            | 12 Ea  | 5/28/18    | 5/28/18  | 0.00 0.00                  | QC21                 |          |

Part Op 110 - 1-Machine as per DWG. FB948 FOLIO REV: AA DWG REV: 2 2-Debur

Descriptions: 120 - Engrave T/N and/or P/N number using Marktronic engraver as per DWG. N/A TOP LEVEL P/N IS ENGRAVED

150 - Issue P/O to Groupe Altech: P/O 040465 -Cadmium plating, QQ-P-416F TYPE II, CLASS II -Color; Yellow - Certificate of Conformity is required

**Job BOM**

| Part / Item      | Component Name                                            | Quantity          | Operation             | Container                          |
|------------------|-----------------------------------------------------------|-------------------|-----------------------|------------------------------------|
| MT-4140QT-R0.625 | AISI 4140 Quenched & Tempered Steel Round Bar 0.625" Dia. | 3.6000 ft (.3 ea) | 90-Start up Operation | <u>S059692</u><br><u>36" + 16"</u> |

**Job Allocations**

| Operation             | Component Part   | Required | Inventory | Allocated |
|-----------------------|------------------|----------|-----------|-----------|
| 90-Start up Operation | MT-4140QT-R0.625 | 4        | 104       | 0         |

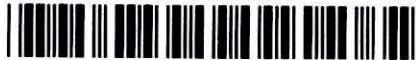
**Part Specifications**

Specifications could not be found.

Plex 6/4/18 3:07 PM dart.logan.david



Container No: S089953



Part: RBW6305G00232-3G-7

Job No: 174442

Serial No/Batch: S089953

Revision: 2

Inspector:

Exp Date:

Instructions:

Date: 07/09/18

Dart Aerospace Ltd.  
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Hawkesbury, ON K6A 1K7  
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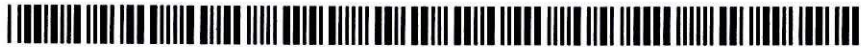
RBW6305G00232-3G-7  
Job Sheet 174442



Part No: RBW6305G00232-3G-7

Job Qty: 8 ea

Part Name: Stud



Part Weight: 0 lbs

Status: Scheduled

Priority: Medium

Job Created: 3/15/18

Job Tracking No:

Due Date: 4/20/18

Created By: Marie Lajeunesse

Type: SOLD

Description:

Note: DWG RBW6305G00232-3G Rev 2 IPP Rev A 18.02.21 New issue DP Verify DD

Ship Via:

### Bill of Materials

### Job Routing

| Op No | Operation          | Qty   | Start Date | Due Date | Standard  |         | Workcenter/Supplier   |           | Sign-off |
|-------|--------------------|-------|------------|----------|-----------|---------|-----------------------|-----------|----------|
|       |                    |       |            |          | Setup hrs | Run Hrs | Workcenter / Supplier | Lead Time |          |
| 90    | Start up Operation | 6 Ea  |            | 4/19/18  | 0.00      | 0.00    | Start Up Machining-2  |           |          |
| 110   | CNC Lathe          | 6 pcs |            | 4/20/18  | 0.00      | 1.50    | MORI SL-154           |           |          |
| 120   | QC                 | 6 pcs |            | 4/20/18  | 0.00      | 0.00    | QC2 Machining-4       |           |          |
| 130   | QC                 | 6 pcs |            | 4/20/18  | 0.00      | 0.00    | QC8 Machining-4       |           |          |
| 150   | Outsource          | 6 pcs |            | 4/20/18  | 0.00      | 0.00    | Outsource3            |           |          |
| 160   | Packaging          | 6 pcs |            | 4/20/18  | 0.00      | 0.00    | Packaging2            |           |          |
| 170   | QC                 | 6 pcs |            | 4/20/18  | 0.00      | 0.00    | QC6                   |           |          |
| 180   | Packaging          | 6 pcs |            | 4/20/18  | 0.00      | 0.00    | Packaging3-1          |           |          |
| 190   | QC21-SA            | 6 Ea  |            | 4/20/18  | 0.00      | 0.00    | QC21                  |           |          |

Part Op 110 - 1-Machine as per DWG. FB948 FOLIO REV: \_\_\_\_\_ DWG REV: \_\_\_\_\_ 2-Deburr

Descriptions: 120 - Engrave T/N and/or P/N number using Marktronic engraver as per DWG.

150 - -Issue P/O to Groupe Altech: P/O \_\_\_\_\_ -Cadmium plating, QQ-P-416F TYPE II, CLASS II -Color; Yellow  
-Certificate of Conformity is required

### Job BOM

| Part / Item      | Component Name                                           | Quantity          | Operation             | Container |
|------------------|----------------------------------------------------------|-------------------|-----------------------|-----------|
| MT-4140QT-R0.625 | AISI 4140 Quenched &Tempered Steel Round Bar 0.625" Dia. | 1.8000 ft (.3 ea) | 90-Start up Operation |           |

### Job Allocations

| Operation             | Component Part   | Required | Inventory | Allocated |
|-----------------------|------------------|----------|-----------|-----------|
| 90-Start up Operation | MT-4140QT-R0.625 | 2        | 104       | 0         |

### Part Specifications

Specifications could not be found.



| REVISIONS |         |                                                                                                                              |           |         |          |
|-----------|---------|------------------------------------------------------------------------------------------------------------------------------|-----------|---------|----------|
| REV       | ECR     | DESCRIPTION                                                                                                                  | DATE      | INITIAL | APPROVED |
| 1         |         | -7 CH'D O.D. ADDED TOLERANCE WAS Ø.375 IS Ø.370 +.000-.005.                                                                  | 5/3/2013  | CFS     | GE       |
| 2         | 15-0292 | -7 CH'D MATERIAL CALL OUT WAS 4140 Q&T IS 4140 Q&T / 4142 Q&T. CH'D DIM WAS Ø.317 IS Ø.315, WAS .030 IS .05 WAS .040 IS .04. | 9/10/2015 | RJC     | JAG      |

|                                                    |  |                     |        |
|----------------------------------------------------|--|---------------------|--------|
| <b>DART AEROSPACE LTD</b>                          |  | <b>Work Order:</b>  | 174448 |
| <b>Description:</b> Stud                           |  | <b>Part Number:</b> |        |
| <b>Inspection Dwg:</b> RBW 63056-00232-36-7 Rev: 2 |  | <b>Page 1 of 1</b>  |        |

### INSPECTION SHEET

| Drawing Dimension | Tolerance       | Actual Dimension | Accept | Reject | Method of Inspection | Comments |
|-------------------|-----------------|------------------|--------|--------|----------------------|----------|
| Ø.55              | ±.01            | .548             | ✓      |        | Jern LPOG            |          |
| .25               | ±.01            | .247             |        |        |                      |          |
| Ø.32              | ±.01            | .310             |        |        |                      |          |
| 3.39              | ±.01            | 3.390            |        |        |                      |          |
| 1.63              | ±.01            | 1.627            |        |        |                      |          |
| 1.69              | ±.01            | 1.689            |        |        |                      |          |
| .19               | ±.01            | .188             |        |        |                      |          |
| .08               | ±.01            | .077             |        |        |                      |          |
| .05               | ±.01            | .06              | ✓      |        |                      |          |
| Ø.370             | + .000 / - .005 | .366             |        |        |                      |          |
| .05               | ±.01            | .06              |        |        |                      |          |
| .40               | ±.01            | .402             |        |        |                      |          |
| Ø.253             | ±.005           | .250             | ✓      |        |                      |          |
| 5/16-24 UNF-2A    |                 |                  |        |        |                      |          |
| MAJ Ø.3078        | ±.0036          | .304             | ✓      |        | Mic LPOI             |          |
| Wire Ø.029        |                 |                  |        |        |                      |          |
| DOW. 3335         | ±.0019          | .332             | ✓      |        |                      |          |
|                   |                 |                  |        |        |                      |          |
| 3/8-24 UNF-2A     |                 |                  |        |        |                      |          |
| MAJ Ø.3703        | ±.0037          | .367             | ✓      |        |                      |          |
| Wire Ø.029        |                 |                  |        |        |                      |          |
| DOW. 3958         | ±.0019          | .3945            | ✓      |        |                      |          |
|                   |                 |                  |        |        |                      |          |
|                   |                 |                  |        |        |                      |          |
|                   |                 |                  |        |        |                      |          |
|                   |                 |                  |        |        |                      |          |
|                   |                 |                  |        |        |                      |          |
|                   |                 |                  |        |        |                      |          |

|                                        |                                       |                      |
|----------------------------------------|---------------------------------------|----------------------|
| <b>Measured by:</b> <i>[Signature]</i> | <b>Checked by:</b> <i>[Signature]</i> | <b>QC Inspector:</b> |
| <b>Date:</b> 18-07-09                  | <b>Date:</b> 18/07/10                 | <b>Date:</b>         |

|                                                |              |
|------------------------------------------------|--------------|
| <b>Engineering Approval:</b><br>(If necessary) | <b>Date:</b> |
|------------------------------------------------|--------------|

| Rev | Date     | Change    | Revised by | Approved |
|-----|----------|-----------|------------|----------|
| A   | 14.07.31 | New Issue | KJ         |          |



# Certificat de Conformité / Certificate of Compliance

(011173-1)

2455, Rue Halpern | Saint-Laurent | Québec | H4S 1N9  
 Tel: 514-335-3666 Fax: 514-335-3868  
 www.groupaltech.com

## Bon de Livraison / Packing Slip

### 011173- 1

Livré à / Ship to

**DART AEROSPACE LTD**  
 1270 ABERDEEN STREET  
 HAWKESBURY, ON, K6A1K7  
 CANADA  
 Tel.: 613-632-5200 Fax.:

Client / Customer:

**DART AEROSPACE LTD**  
 1270 ABERDEEN STREET  
 HAWKESBURY, ON, K6A1K7  
 CANADA  
 BUYER:

| Date expédition<br>Ship date |                                                                            | Créé Par<br>Generated By                                                                    | Transport / No de Compte<br>Courier / Acc. No. | Bon de commande Client<br>Customer Purchase Order No. |                 |                   |               |                        |
|------------------------------|----------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|------------------------------------------------|-------------------------------------------------------|-----------------|-------------------|---------------|------------------------|
| 23-Jul-2018                  |                                                                            | Aman                                                                                        |                                                | 040465                                                |                 |                   |               |                        |
| #Ligne<br>Line#              | No. de Série / # Pièce<br>Part Number / Line Item Details<br>Job # / Ref # | Description pièce(s)                                                                        | CATG.<br>U/M                                   | Comm.<br>/Ordered                                     | Exp/<br>Shipped | Qté NC/<br>NC Qty | Qté<br>Scrap/ | À venir/<br>Back Order |
| 2                            | RBW6305G00232-3G-5<br>Rev.                                                 | RBW6305G00232-3G-5<br>01-CAD YELLOW 500 [CADMIUM YELLOW 500]<br>QQ-P-416F TYPE 2 CLASS 2    | CADMIUM<br>CH                                  | 12                                                    | 12              | 0                 | 0             | 0                      |
| 3                            | RBW6305G00232-3G-7<br>Rev.                                                 | RBW6305G00232-3G-7<br>01-CAD YELLOW 500 [CADMIUM YELLOW 500]<br>QQ-P-416F<br>TYPE 2 CLASS 2 | CADMIUM<br>CH                                  | 13                                                    | 13              | 0                 | 0             | DAS<br>38<br>9-89      |

Notes Additionnelles / Additional Notes

Epaisseur réelle  
Actual Thickness

Inspecteur Qualité  
Quality Inspector

Réçu par  
Received By

Nous certifions que les pièces énumérées ci-dessus ont été traitées en conformité avec votre commande et vos spécifications et rencontrent les exigences.  
 Notre responsabilité financière et légale ne sera pas supérieure au montant de la facture issue.

We hereby certify that the parts listed above have been process in accordance with your purchase order and specifications and are in conformance with your requirements.  
 Our financial and legal responsibility will not be higher than the amount of invoice.





Dart Aerospace Ltd.  
1270 Aberdeen St  
Hawkesbury, ON  
K6A 1K7  
Canada

Tel (613) 632-5200

# **PURCHASE ORDER** **PO040465**

**Supplier:** GRO002-VC  
Group Altech  
2455 Halpern  
St Laurent  
QC  
H4S 1N9 Canada  
Phone: 514-335-3666  
Fax: 514-335-3868

**PO No:** PO040465  
**PO Date:** 7/11/18  
**Due Date:** 7/20/18  
**Purchase Order**  
**Revision:**  
**Revision Date:**  
**Ship-To Contact:** Phone:

**Ship To:** 1270 Aberdeen Street  
Hawkesbury  
ON  
K6A 1K7 Canada  
Phone: 613-632-5200

**Via:** Ground  
**Pymt Terms:** Net 30  
**Freight Terms:**  
**Special Comments:**

## **Items**

| Line Item | Job    | Part               | Description                                                                                                                                                 | Status | Account | Due Date | Order Quantity | Received Quantity | Balance | Unit Price (CAD) | Extended Price |
|-----------|--------|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|---------|----------|----------------|-------------------|---------|------------------|----------------|
| 1         | 173844 | RBE-350DAMPER      | Damper Spanner Wrench<br>-Issue P/O to Groupe Altech;<br>PO _____<br>-Black oxide finish, MIL-C-13924C Class 1<br>-Certificate of Conformity is required    | Firmed | -       | 7/20/18  | 6 pcs          | 0 pcs             | 6 pcs   | \$2.35/pcs       | \$14.10        |
| 2         | 174441 | RBW6305G00232-3G-5 | Stop<br>-Issue P/O to Groupe Altech: P/O _____<br>-Cadmium plating, QQ-P-416F TYPE II, CLASS II<br>-Color; Yellow<br>-Certificate of Conformity is required | Firmed | -       | 7/20/18  | 12 pcs         | 0 pcs             | 12 pcs  | \$11.80/pcs      | \$141.60       |
| 3         | 174442 | RBW6305G00232-3G-7 | Stud<br>-Issue P/O to Groupe Altech: P/O _____<br>-Cadmium plating, QQ-P-416F TYPE II, CLASS II<br>-Color; Yellow<br>-Certificate of Conformity is required | Firmed | -       | 7/20/18  | 13 pcs         | 0 pcs             | 13 pcs  | \$11.80/pcs      | \$153.40       |

**DAS**  
**38**  
**9-89**